

MIAMI-DADE COUNTY, FLORIDA METRO-DADE FLAGLER BUILDING 140 WEST FLAGLER STREET, SUITE 1603 MIAMI, FLORIDA 33130-1563 (305) 375-2901 FAX (305) 372-6339

www.maimidade.gov/buildingcode

NOTICE OF ACCEPTANCE (NOA)

United Steel Products Company 14305 Southcross Drive # 200 Burnsville, MN 55306

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series MSH Wood Connectors.

APPROVAL DOCUMENT: Drawing No. 0103MD, titled "MSH SERIES (ADJUSTABLE STRAP HANGERS)", sheets 1 and 2 of 2, dated 12/14/04, with revision #1, prepared by United Steel Products Company, signed and sealed by R. W. Lutz, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA renews NOA # 05-0105.04 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Carlos M. Utrera, P.E.

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NOA No. 08-0303.06 Expiration Date: May 22, 2013 Approval Date: April 24, 2008

Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **0103MD**, titled "MSH SERIES (ADJUSTABLE STRAP HANGERS)", sheets 1 and 2 of 2, dated 12/14/04, with revision #1, prepared by United Steel Products Company, signed and sealed by R. W. Lutz, P.E.

B. TESTS

Test reports on wood connectors per ASTM D1761, signed and sealed by C.R. Caudel, P.E & J. D. Lee, P.E.

	Report No.	Connector	Load Direction	Date
1.	PTI # 02-3927-2	MSH 29	Up & Down	11/26/02
2.	PTI # 02-3924	MSH 218	Up & Down	10/21/02
3.	PTI # 02-3925	MSH 222	Up & Down	12/16/02
4.	PTI # 02-3923	MSH 213-2	Up & Down	10/31/02
5.	PTI # 02-3926	MSH 413	Up & Down	11/18/02
6.	PTI # 02-3931	MSH 418	Down	12/13/02

[&]quot;Evidence Submitted under NOA # 05-0105.04"

C. CALCULATIONS

Calculated Capacities prepared by R. W. Lutz PE.

	Product Model	No. of Pages	Date	<u>Signature</u>
1.	MSH 29	1 through 3	12/27/02	R. W. Lutz, P.E.
2.	MSH 218	9 through 9	01/30/03	R. W. Lutz, P.E.
3.	MSH 222	4 through 5	01/08/03	R. W. Lutz, P.E
4.	MSH 213-2	6 through 6	01/21/03	R. W. Lutz, P.E.
5.	MSH 413	7 though 8	01/28/03	R. W. Lutz, P.E.
6.	MSH 418	9 through 8	01/28/03	R. W. Lutz, P.E.

[&]quot;Evidence Submitted under NOA # 05-0105.04"

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 08-0303.06

Expiration Date: May 22, 2013 Approval Date: April 24, 2008

[&]quot;Evidence Submitted under NOA # 05-0105.04"

United Steel Products Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

- No Financial Interest letter issued by USP Lumber Connectors, dated 01/31/03 signed by R. W. Lutz, P.E.
- 2. Code Compliance letter issued by USP Lumber Connectors, dated 01/30/03 signed and sealed by R. W. Lutz, P.E.
- 3. Letter requesting revision issued by Product Control Section on 10/25/04 and signed by C. F. Font.

"Evidence Submitted under NOA # 05-0105.04"

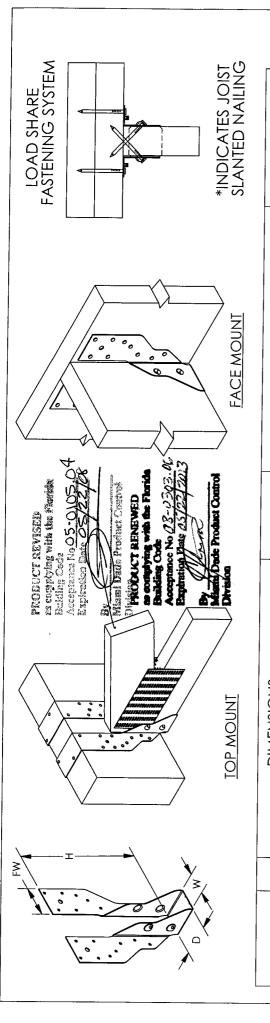
- 4. Statement letter of conformance issued by United Steel Products Company, dated 02/27/08, signed and sealed by Robert W. Lutz, P.E.
- No change letter issued by United Steel Products Company, dated 02/27/08, signed by Robert W. Lutz, P.E.

G. OTHER

1. Notice of Acceptance No. **05-0105.04**, issued to United Steel Products Company, approved on 02/24/05 and expiring on 05/22/08.

Carlos M. Utrera, P.E. Product Control Examiner NOA No. 08-0303.06

Expiration Date: May 22, 2013 Approval Date: April 24, 2008



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ALLOWABLE	LOADS (Lbs.)	DF-L / SYP	UPLIFT	133%	1		1	-			1	1	1	1			1	
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- 1) STEEL SHALL CONFORM TO ASTM A653 STRUCTURALGRADE 33, AND A MINIMUM GALVANIZED COATING OF G90.

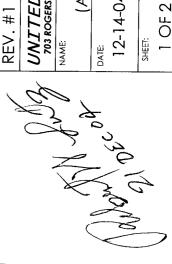
 2) FASTENERS ARE COMMON WIRE NAILS UNLESS OTHERWISE NOTED.

 3) ALLOWABLE LOADS HAVE BEEN INCREASED FORWIND LOAD CONDITION. NO FURTHER INCREASE IS ALLOWABLE.

 4) ALLOWABLE LOADS ARE BASED ON THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION (G= 0.55 OR BETTER AND MOISTURE CONTENT OF 19% OR LESS). ALL TESTS PERFORMED IN A CCORDANCE WITH ASTM D1761.

 5) PENETRATION IS ASSUMED TO BE 1 1/2" INTO WOOD JOIST. & 1 5/8" OR MORE INTO WOOD HEADER.

 6) ALLOWABLE UPLIFT LOADS NOT LISTED ARE LESS THAN 700# AND DO NOT COMPLY WITH SEC. 2321.7 OF FBC, AND ARE THEREFORE EXCLUDED FROM USE. 4
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OMPANY 07) 364-7333	
JNITED STEEL PRODUCTS COMPANY 703 ROGERS DRIVE, MONTGOMERY, MIN. 56069 PHONE (507) 364-7333	
UNITED STEEL F	
UNITED 703 ROGERS I	- L. V.
do	

NAM E	(AD)	MSH SERIES (ADJUSTABLE STRAP HANGERS)
DATE:		ROBERT W LUTZ
12-	12-14-04	PROFESSIONAL ENGINEER (STRUCTURAL)
		FLORIDA REG. NO. 55409
SHEET:		DRAWING NO.#

MDADE

0103MD

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ABLE	(Lbs.)	SYP	UPLIF	133%			1360	1360	2				1945	1245	1245	1245	77	1245	1245	
ALLOWABLE	LOADS (Lbs.)	DF-L / SYP	FLOOR	100% 133%		2015	2220	3305	1950	2015	2015	2015	2220	3150	2440	3150	2190	2440	3150	2190
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FASTENER SCHEDULE	HEADER		FACE		(22) 10d	p01 (9)	(14) 10d	p01 (9)	(16) 10d	(6) 10d	(22) 10d	(9) 10d	(14) 10d	(6) 10d	(18) 10d	(6) 100	(2) 10d	(22) 10d	(4) 10d	(2) 10d
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	MOUNTING	CONDITION			FACE-MAX	TOP-MAX	FACE-MAX	TOP-MAX	FACE-MAX	TOP-MAX	FACE-MAX	TOP-MAX	FACE-MAX	TOP-MAX	FACE-MAX	TOP-MAX	TOP-MIN	FACE-MAX	TOP-MAX	TOP-MIN
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DIMENSIONS)		1 3/4		21/4	- /	13/4		1.3/4	10	13/4			1 3/4		7,0	1 3/4	
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		Q A			9		16		16		16		16	}	,	9			9	
	1	PRODUCT	CODE		MSH322		*MSH213-2		MSH218-2		MSH222-2		*MSH413		(*M2H418		*		•



and Committee with the Profit PRODUCT REVISED

GENERAL NOTES

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1) STEEL SHALL CONFORM TO ASTM A653 STRUCTURALGRADE 33, AND A MINIMUM GALVANIZED COATING OF G90.

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6) ALLOWABLE UPLIFT LOADS NOT LISTED ARE LESS THAN 700# AND DO NOT COMPLY WITH SEC.2321.7 OF FBC, AND ARE THEREFORE EXCLUDED FROM USE. 4

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REV. #1 Why Decod

PRODUCTS COMPANY 703 ROGERS DRIVE, MONTGOMERY, MN. 56069 PHONE (507) 364-7333 ADJUSTABLE STRAP HANGERS) **MSH SERIES** STEEL ~ UNITED NAME DATE

ROBERT W LUTZ PROFESSIONAL ENGINEER (STRUCTURAL) FLORIDA REG. NO. 55409 MDADE 0103MD DRAWING NO.# 12-14-04 2 OF 2 SHEET: